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SOURCE Torfnaya Proizvodnost', No 7, 1949.TECHNICAL INNOVATIONS TO SPEED PEAT CUTTING

Engr V. S. Batova

In the peat enterprises of Glavtorf, 725 proposals in the field of innovations and inventions were submitted in 1947 and 1,834 in 1948. Of the 1948 proposals, 1,069 were introduced in production, 254 were accepted for introduction, and 277 are in the process of being completed, developed, and tested.

The proposals introduced have made possible an annual saving of 2,807,000 rubles more in 1948 than in 1947.

In 1948, 502 proposals were submitted and 316 introduced in production in the enterprises of the Shatura Peat Trust, 363 were submitted and 168 introduced in the Orekhovo Peat Trust, and 152 were submitted and 82 introduced in the Yaroslavl' Peat Trust. The Sverdlovsk Peat Trust saved 9.5 times more money through innovations in 1948 than in 1947.

In 1948, 186 proposals were submitted in the Shatura Transport Administration, and the proposals introduced saved 429,000 rubles. The Peat Trust imeni Klasson had 121 proposals and saved 145,000 rubles.

The following are the most valuable proposals introduced in 1948 by peat enterprises:

A pontoon for pulling out stumps (proposed by Meikov, Mal'tsev, and Nikolayev). This innovation was introduced at the Petrovsk-Kobelev Peat Enterprises of the Shatura Peat Trust, and saved 83,000 rubles. The planned annual saving is 130,000 rubles.

An increase in the horizontal speed of a DDM-4 machine, operating at deposits with few or no stumps (Titkov). The proposal was introduced at the Petrovsk-Kobelev Peat Enterprise, and the planned annual saving is 38,000 rubles.

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A two-brush snow clearer with a reverse speed (proposed by Shatura Transport Administration). Planned yearly saving is 71,000 rubles.

A tracklayer: an electrified flatcar for transporting power for locomotives (Vail'yev). The tracklayer was manufactured at the Oreshkovo Peat Enterprise at the end of 1948 and is to operate under working conditions in 1949. Planned annual saving is 15,000 rubles.

Addition of spikes to the bits of the ESM-7 machine for better cutting of peat bricks (Zharov). The innovation was introduced at the Monstnyy Peat Enterprise and saved 15,000 rubles. Planned saving is 158,000 rubles annually.

A shield for the ESM-7 cutting machine (Kushvidenko). The innovation was introduced at the Monstnyy Peat Enterprise and provided complete safety in operating cutting machines.

Bare overhead leads on high-voltage installations of peat enterprises (Rosenberg). The innovation was introduced at a majority of the peat enterprises of Gidrotorf, and 244,000 rubles were saved.

A new method of laying out peat in rolls for drying (Syrovatkins and Zhelt'yakova). The proposal saves 158,000 rubles per year.

A tracklayer which promotes mechanization of track laying in peat transport (Vystavkin). The tracklayer was manufactured at the "Vasil'yevskiy Mokh" Peat Enterprise. Its first operation in 1948 showed that the cost of laying one meter of track is four times lower than the cost of manual track laying.

A tracklayer (Zhagelov, Kraynov, and Gubochkin) manufactured at the Teykovo Peat Enterprise and put into operation in 1948. The cost of laying one meter of track is almost twice as low as that of manual track laying.

Many suggestions have been made for improving peat-cutting machinery. These suggestions include raising the rear wall of the UMFF-4 scraper, devising a new type of universal joint for the UMFF-4, and a new blade for the FD-3 drum shredder.

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